

What Is Claimed Is:

1. An ignition coil of an ignition system in an internal combustion engine, having a housing (12), a magnetically active core (16, 28; 37), a first coil winding (18) connected to a supply voltage, and a second coil winding (24, 36) connected to a high-voltage terminal, wherein at least one electrically conductive component (28; 37) is provided, at least in some areas, with a means (31; 34) for an electrically effective evening out of its surface.
2. The ignition coil as recited in Claim 1, wherein the means (31; 34) for the electrically effective evening out of the surface is formed by an electrically conductive sheathing which has a smooth surface.
3. The ignition coil as recited in Claim 2, wherein the sheathing (31; 34) is a layer of electrically conductive plastic.
4. The ignition coil as recited in Claim 2 or 3, wherein the sheathing (31; 34) is extruded.
5. The ignition coil as recited in one of Claims 1 through 4, wherein the electrically conductive component (28; 37) is the magnetically active core.
6. The ignition coil as recited in one of Claims 1 through 5, wherein the electrically conductive component (28) is a peripheral core of a compact ignition coil.